

PITHD1 Protein, Human (Myc, His)

Cat. No.:	HY-P71631
Synonyms:	PITHD1; C1orf128; AD039; HT014; PP603; PITH domain-containing protein 1
Species:	Human
Source:	E. coli
Accession:	Q9GZP4 (1M-211S)
Gene ID:	57095
Molecular Weight:	Approximately 31.6 kDa

PROPERTIES

AA Sequence	<pre> MSHGHSHGGG GCRCAAEREE PPEQRGLAYG LYLRIDLERL QCLNESREGS GRGVFKPWEE RTDRSKFVES DAEDELLFNI PFTGNVKLKG IIMGEDDDSD HPSEMRLYKN IPQMSFDDTE REPDQTFSLN RDLTGELEYA TKISRFSNVY HLSIHISKNF GADTTKVFYI GLRGEWTELR RHEVTICNYE ASANPADHRV HQVTPQTHFI S </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>PITHD1 Protein emerges as a pivotal regulator in cellular dynamics, specifically promoting megakaryocyte differentiation by up-regulating the expression of RUNX1. Its regulatory influence extends to the modulation of RUNX1 expression, achieved through activation of the proximal promoter of the RUNX1 gene and enhancement of the translation activity of an internal ribosome entry site (IRES) element within the RUNX1 gene. The intricate interplay of PITHD1 in these processes highlights its crucial role in orchestrating megakaryocyte differentiation, underscoring its significance in hematopoiesis. Further exploration of the detailed mechanisms behind PITHD1's regulatory functions offers promising insights into its broader impact on cellular differentiation pathways.</p>
-------------------	--

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA